

Catherine Dorau

12/28-9. Porcello+4
D. Merriam
T. Dumais
B. Birmingham
KB, GN, MMG,

From: Michael S. Klein <michael@davisonenvironmental.com>
Sent: Wednesday, December 27, 2017 3:48 PM
To: 'Robert Savin'; Catherine Dorau; tdumais@WestHartfordCT.gov; 'Robin Pearson'; 'Dave Battista'; 'James Cowen'; bill@sunlightconstruction.com
Subject: Savin 12.27.17 update
Attachments: Savin DE 12.27.17 no impact letter.pdf

Robert and I met with Catherine Dorau and Chuck Guarino earlier this afternoon to discuss Todd's 12.26.17 comments. Per the numbering in that comment letter, we agreed as follows:

1. Davison Environmental (Klein) to provide more information at the hearing with respect to condition of existing woody vegetation along eastern and northern property lines.
2. DE to update planting sketch with additional and larger woody plantings in the URA to the extent possible.
3. LEI to provide additional written construction sequence addressing E&S controls, import/export of fill, access areas and re-stabilization for the pool area.
4. DE to update report.

We agreed that 2, 3, and 4 would be supplemental submittals not requiring a new full plan set; to be added to plans as a condition of approval if Commission requires and approves. To that end, our updated report and sketch planting plan are attached.

Michael S. Klein, PWS
Principal
Environmental Planning Services/Davison Environmental
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PLEASE NOTE THAT ENVIRONMENTAL PLANNING SERVICES IS NOW OWNED AND OPERATED BY DAVISON ENVIRONMENTAL, LLC. I WILL REMAIN ACTIVE IN THE BUSINESS AT LEAST THROUGH 2021. YOU MAY CONTACT ME AS BEFORE, BUT I AM BEGINNING THE TRANSITION TO A NEW EMAIL ACCOUNT, michael@davisonenvironmental.com. THE michael.klein@epsct.com ADDRESS WILL REMAIN ACTIVE THROUGH THE END OF 2017. BILLING AND OTHER ADMINISTRATIVE MATTERS WILL BE HANDLED THROUGH OUR CHESTER, CT OFFICE, 10 MAPLE STREET, CHESTER 06412. THANK YOU FOR YOUR PATIENCE DURING THIS TRANSITION.



12/25 g Porcello, +4
D. Merriam
TD, BB, KB, EN, MM

Biodiversity Studies • Wetland Delineation & Assessment • Habitat Management • GIS Mapping • Permitting • Forestry

December 27, 2017

Mr. Robert Savin
77 Sterling Road
East Hartford, CT 06108

RE: 54 and 60 Sunset Farm Road
West Hartford, CT

Dear Mr. Savin:

I am writing to report the results of our investigations at the referenced site. As you know, I delineated the wetlands and watercourses at 60 Sunset Farm Road in 1998. The flags I set were surveyed by Bongiovanni Group, Inc. In the interim, the southern portion of 60 Sunset Farm Road was split off and is now known as 54 Sunset Farm Road. I conducted additional site inspections on September 8 and 19, 2017 and determined that the wetland boundary has not changed and that the surveyed flag locations were substantially correct, as documented in the attached delineation report. James Cowen, a botanist and wetland scientist from this office conducted additional investigations on October 25, 2017, in order to characterize more fully the existing vegetation and to assist in the design of buffer plantings.

The flagged area at the site consists of a watercourse tributary to Trout Brook, and a relatively narrow riparian wooded wetland. The primary functions and values of this system are flood flow conveyance, overbank storage, and production export. The relative importance of these functions is limited by the alterations that have occurred both up and downstream of the site, where the stream has been impounded, culverted and/or channelized, the riparian vegetation has been removed, and the landscape has been developed for single family residences.

Neither the wetland nor the watercourse extends onto the 54 Sunset Road property, on which you propose to construct a single family residence, served by an on-site septic system. A portion of the 150' upland review area (URA) from the wetland on 60 Sunset Farm Road extends into the northeast quadrant of 54 Sunset Farm Road. Vegetation in the upland review area along the east edge of the property consists mostly of Sugar Maple (*Acer saccharum*), Norway Maple* (*Acer platanoides*), Green Ash (*Fraxinus pennsylvanica*) and hickory (*Carya sp.*), with one Tree of Heaven* (*Ailanthus altissima*). Due to the closed canopy, the shrub and herb layer is sparse, and includes the non-native Pachysandra (*Pachysandra terminalis*), Garlic Mustard* (*Alliaria petiolata*), Japanese Barberry* (*Berberis thunbergii*), and Burning Bush* (*Euonymus alatus*). The only wetland vegetation we observed was Spicebush (*Lindera benzoin*), which grows adjacent to a pond that is off-site to the southeast. The condition of the upland review area on the site is illustrated on the photographs below.



View of eastern edge of property from north, 10.25.17



East property edge from the south, 10.25.17



View looking southeast toward off-site pond, 10.25.17


No portion of the proposed grading, house, or leaching field extends into the URA associated with that resource area. However, the proposed grading and septic system lie with the assumed 150' URA associated with the lots along the east and south side of Mountain Terrace Road. The stream flow on these lots is confined to a constructed channel and the adjacent areas have been modified for residential use as this area was developed many years ago.

The proposed activity in the URA at 54 Sunset Farm Road is very similar in nature to the conditions in the adjacent areas. The gradient is very flat and the appropriate sediment and erosion control measures have been shown on the plan. A new, code compliant septic system will have no impact on the stream. The plan includes installation of stormwater management basin in the northeast portion of the site. The basin which will control the peak rates of runoff for all storms up to the 100 year event, to levels equal to or less than the current condition. The basin also includes an infiltration system that has been sized to accommodate the groundwater recharge volume. The basin will be stabilized with a lawn seed mix. The area around the basin and extending to the east and southeast to the limit of grading will be established as a native planted buffer to supplement the vegetation to remain in the eastern portion of the site. This buffer will encompass approximately 0.5 acres along the rear of the property from north to south. This area will be planted with a diverse mix of native evergreen and deciduous trees and shrubs. We developed a plan that includes 28 native trees (5 different species) and 121 native shrubs

(11 species), as shown on the attached list and sketch. Non-native, invasive species will be removed in this area. The enhanced buffer will serve as a filter strip, visual buffer, and wildlife habitat along the stream corridor.

Our recommendations have been incorporated into the plans. It is my professional opinion that the proposed development of a single family residence at 54 Sunset Farm Road, as shown on the site plan prepared by Lenard Engineering, will have no adverse impact on wetlands or watercourses.

Respectfully submitted,



Michael S. Klein
Certified Professional Wetland Scientist
Registered Soil Scientist

cc: R. Pearson
W. Ferrigno
S. Dumais
K. Doreau

Wetland Mitigation Plant List					
54 Sunset Farm Road					
West Hartford, CT					
	Scientific Name	Common Name	Quantity	Size	Root
	Trees				
AL	<i>Amelanchier laevis</i>	Smooth Shadbush	3	1.1.5" cal	B&B
CF	<i>Cornus florida</i>	Flowering Dogwood	1	1-1.5" cal	B&B
NS	<i>Nyssa sylvatica</i>	Black Gum	10	1.5-2" cal	B&B
QR	<i>Quercus rubra</i>	Red Oak	2	1.5-2" cal	B&B
TC	<i>Tsuga canadensis</i>	Eastern Hemlock	12	1.5-2" cal	B&B
	Shrubs				
AA	<i>Aronia arbutifolia</i>	Red Chokecherry	4	3-4'	Cont
CL	<i>Clethra alnifolia</i>	Sweet Pepperbush	13	3-4'	Cont
CS	<i>Cornus sericea</i>	Red-osier Dogwood	7	3-4'	Cont
COR	<i>Corylus americana</i>	American Hazelnut	6	3-4'	Cont
HV	<i>Hamamelis virginiana</i>	Witchhazel	19	3-4'	Cont
IG	<i>Ilex glabra</i>	Inkberry	15	2-3'	B&B
Iv	<i>Ilex verticillata</i>	Winterberry	9	3-4'	Cont
KL	<i>Kalmia latifolia</i>	Mountain Laurel	20	3-4'	B&B
Pv	<i>Prunus virginiana</i>	Chokecherry	3	4-6'	Cont
Vc	<i>Vaccinium corymbosum</i>	Highbush Blueberry	13	3-4'	Cont
VD	<i>Viburnum dentatum</i>	Arrowwood	12	3-4'	Cont